

Access Door Service Temperatures

Aluminum Framing – Aluminum used in the door frame and leaf has a Service Temperature between -100°F and 375°F (-73.3°C and 190°C). Tempering and ageing begin at 375°F (190°C) with a Melting Point between 1,210°F and 1,230°F (2,210°C and 2,246°C).

ELASTOCAST® ISOCYANATE 2 part Thermal Pour and Debridge – Normal storage temperatures range from 32°F to 110 °F (0°C to 230°C). Service Temperatures are between -40°F to 200°F (-40°C to 93°C). Boiling points are 392°F (200°C) and material decomposition begins at temperatures greater than 500°F (260°C).

EPDM Door gasket – (ethylene propylene diene terpolymer) compliant to NSF, FDA, and UL 157. Becomes brittle at -40°F (-40°C) and melts at 350°F (176°C). This gasket can maintain a constant upper service temperature of 300°F (148°C).

AUTOFROTH® 2 part Expandable Foam – Normal storage temperatures range from 60°F to 80°F (16°C to 27°C). Boiling point for foam is 392°F (200°C) with a flash point of 428°F (220°C).

Stainless Door Skins – Normal storage temperatures range from 0°F to 100°F (-17°C to 37°C). Service temperatures are -80°F to 275°F (-62.2°C to 135°C) and melting points of stainless steel skins are between 2,550°F and 2,590°F (1,398°C and 1,421°C).

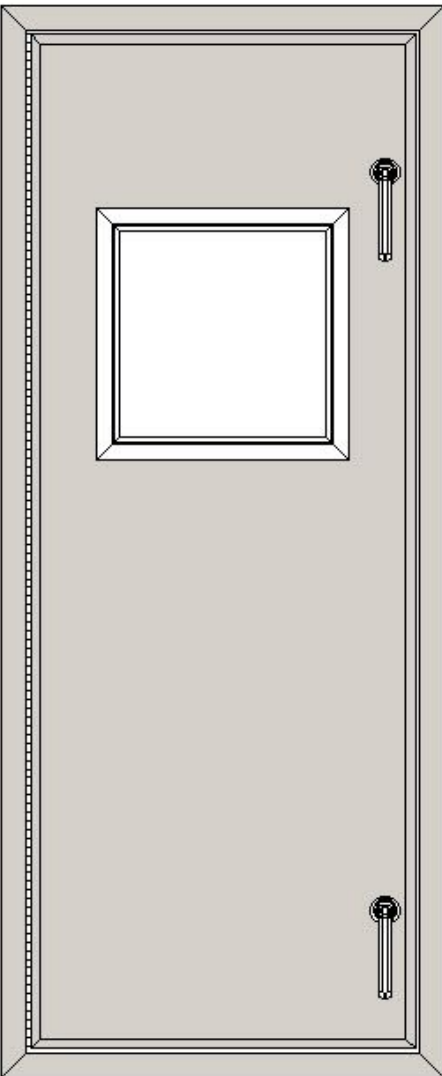
SD View port Glazing Sealant Manus Bond – Normal storage temperatures range from 40°F to 122°F (4.5°C to 50°C). Service temperatures are -75°F to 300°F (-59°C to 149°C). Flame Spread (UL 723) – 15, Smoke Developed (UL 723) – 10.

View port Glazing Bulb Gasket and Tape - Normal storage temperatures range from 0°F to 125°F (-17°C to 51°C). Service temperatures are between 0°F and 175°F (-17°C to 79°C) and melting begins at temperatures over 400°F (204°C).

260 & 310 VentLok Latch (Zamak 3, Zinc Aluminum Alloy) – Normal storage temperatures range from 0°F to 125°F (-17°C to 51°C). Service temperatures are between 0°F and 175°F (-17°C to 79°C) and melting begins at temperatures over 1,652°F (900°C).

Allegis Hardware (Polyamide Plastics PA6) – Service temperatures are -22°F to 158°F (-30°C to 70°C) with a Melting temperature around 428°F (220°C).

S&D Hinges – Stainless Steel hinges and pins. Normal storage temperatures range from 0°F to 100°F (-17°C to 37°C) Service temps are -80°F to 275°F (-62.2°C to 135°C). Melting point of stainless steel is between 2,550°F and 2,590°F (1,398°C and 1,421°C).



DuraLite Glass Spacer - Normal storage temperatures range from 0°F to 125°F (-17°C to 51°C). Service Temperatures are 0°F to 175°F (-17°C to 79°C). Melting point temperatures are > 250°F (121°C).

Door with no View Port Temperatures:

Maximum Peak Temperature Exposure: < 385°F (196°C) limited by melting of Santoprene Foam. Exposure to this temperature should be limited to 3 – 4 hours Maximum.

Maximum Sustained Temperature Exposure (Thermal Door): < 200°F (93°C) limited by Thermal ELASTOCAST® ISOCYANATE.

Maximum Sustained Temperature Exposure (Non-Thermal Door): < 275°F (196°C) limited by Santoprene Foam.

Door with View Port Temperatures:

Maximum Peak Temperature Exposure, IG unit: < 150°F (65°C) limited by melting of glazing materials with IG unit.

Maximum Sustained Temperature Exposure, IG unit: < 150°F (65°C) limited by melting of glazing materials with IG unit

Maximum Peak Temperature Exposure, Mono Glass: < 300°F (149°C) limited by melting of glazing materials with Mono unit.

Maximum Sustained Temperature Exposure, Mono Glass: < 250°F (121°C) limited by melting of glazing materials with Mono unit

****Component Material Data Safety Sheets (MSDS), Technical Data Sheets (TDS) and or manufacturing melting point letters available upon request ****